

# Converting Colors

$Y_{xy}(44.3920, 0.3458, 0.3638)$

Have a look what the booklet for  
Yxy(44.3920, 0.3458, 0.3638)  
contains.

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# Color

**Yxy(44.4975, 0.3455, 0.3635)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BDB197</a>
RGB	<a href="#">189, 177, 151</a>
RGB Percent	<a href="#">74%, 69%, 59%</a>
CMY	<a href="#">0.2588, 0.3059, 0.4080</a>
CMYK	<a href="#">0.00, 0.06, 0.20, 0.26</a>
HSL	<a href="#">41°, 22%, 67%</a>
HSV	<a href="#">41°, 20%, 74%</a>
XYZ	<a href="#">42.2940, 44.4975, 35.6225</a>
YIQ	<a href="#">177.6240, 15.4980, -5.5420</a>

# Conversions

## Conversions Part 2

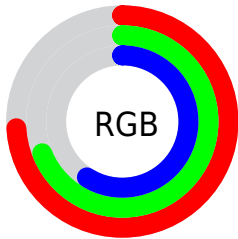
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 189, 151
Decimal	12431767
CIE Lab	72.56, 0.00, 14.88
CIE LCh	73, 14.878, 89.994
Yxy	44.4975, 0.3455, 0.3635
Android (android.graphics.Color)	4290621847 (0xFFBDB197)
YUV	177.6240, -13.1256, 9.9768
Hunter-Lab	66.7064, -3.5615, 15.0326

# Details

The Yxy color  $44.4975, 0.3455, 0.3635$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $36.4353, 0.2807, 0.2919$ , and the grayscale version is  $44.3768, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.2784, 0.3399, 0.3578$ , and  $20.7382, 0.3543, 0.3744$  is the 20% darker color. If you saturate the color by 10%, you get  $41.6286, 0.3640, 0.3814$ , and if you desaturate by 10%, it is  $47.5719, 0.3284, 0.3460$ .

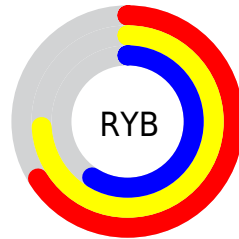
# Distribution



Red (74%)

Green (69%)

Blue (59%)



Red (66%)

Yellow (74%)

Blue (59%)

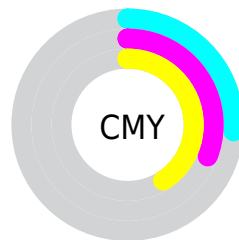


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (26%)



Cyan (26%)

Magenta (31%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4975, 0.3455, 0.3635 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 44.4975, 0.3455, 0.3635 by changing the saturation by 10% instead.





 44.4975, 0.3455,  
0.3635

 44.4975, 0.3455,  
0.3635


364.7346, 0.3290,  
0.3461

 31.0618, 0.3496,  
0.3679


 81.9658, 0.3395,  
0.3572

 20.6459, 0.3550,  
0.3734


 106.7673, 0.3372,  
0.3548

 12.8654, 0.3620,  
0.3809


136.1261, 0.3353,  
0.3528

 7.3359, 0.3719,  
0.3913

170.4267, 0.3337,  
0.3511

 3.6731, 0.3864,  
0.4066

210.0534, 0.3323,  
0.3496

 1.4924, 0.4191,  
0.4409

255.3907, 0.3311,

 0.2834, 0.4873,

0.3483

0.5127

306.8230, 0.3300,  
0.3472

0.0000, 0.0000,  
0.0000

44.4975, 0.3455,  
0.3635

44.4975, 0.3455,  
0.3635

41.6286, 0.3640,  
0.3814

47.5719, 0.3284,  
0.3460

38.9531, 0.3836,  
0.3990

50.8514, 0.3129,  
0.3292

36.4668, 0.4040,  
0.4157

54.3434, 0.2989,  
0.3134

34.1627, 0.4243,  
0.4303

58.0531, 0.2864,  
0.2987

32.0332, 0.4438,  
0.4419

61.9852, 0.2752,  
0.2852

■ 30.0700, 0.4615,  
0.4493

■ 65.5260, 0.2703,  
0.2821

■ 28.2633, 0.4764,  
0.4518

■ 68.5786, 0.2710,  
0.2889

■ 26.6157, 0.4886,  
0.4502

■ 71.7427, 0.2716,  
0.2957

■ 75.0194, 0.2722,  
0.3024

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4975, 0.3543, 0.3517



44.4975, 0.3455, 0.3635



44.4975, 0.3280, 0.3661

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.4975, 0.3455, 0.3635



44.4975, 0.2754, 0.3212



44.4975, 0.3176, 0.3025

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.4975, 0.3455, 0.3635



36.4353, 0.2807, 0.2919

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.4975, 0.2966, 0.2945



44.4975, 0.3455, 0.3635



44.4975, 0.2728, 0.3045

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.4975, 0.3455, 0.3635



44.4975, 0.2877, 0.3410



44.4975, 0.2804, 0.2950



44.4975, 0.3379, 0.3170



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.4975, 0.3455, 0.3635



44.4975, 0.3139, 0.3617



44.4975, 0.2804, 0.2950



44.4975, 0.3104, 0.2990

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.4995, 0.3455, 0.3635



87.5130, 0.3220, 0.3391



35.5872, 0.3399, 0.3129



18.7378, 0.3230, 0.3402



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

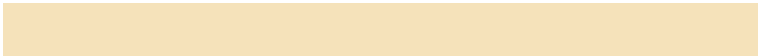


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.4995, 0.3455, 0.3635



77.4568, 0.3532, 0.3711



48.5830, 0.3365, 0.3794



10.5987, 0.3272, 0.3446



18.0474, 0.4875, 0.4511



0.8194, 0.4675, 0.4670



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.4353, 0.2807, 0.2919



60.4923, 0.2734, 0.2830



33.0597, 0.2859, 0.2752



9.7036, 0.2984, 0.3129



4.7444, 0.1626, 0.1055

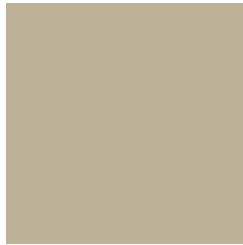


0.3065, 0.1767, 0.1561



# Previews

## White Background



This preview shows how the Yxy color 44.4975, 0.3455, 0.3635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

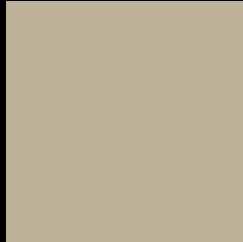
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.4975, 0.3455, 0.3635 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

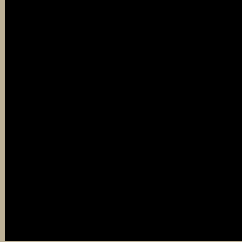
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.4975, 0.3455, 0.3635**

## Background



This preview shows how black text looks on a background with the Yxy color 44.4975, 0.3455, 0.3635.

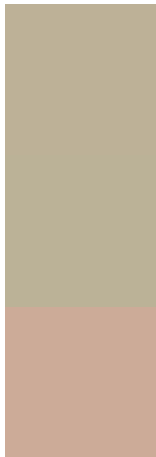


This preview shows how white text looks on a background with the Yxy color 44.4975, 0.3455, 0.3635.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

44.4975, 0.3455, 0.3635

### Protanopia

44.6400, 0.3434, 0.3649

### Deuteranopia

44.2302, 0.3604, 0.3532



## Tritanopia

44.3877, 0.3198, 0.3112

# Trichromacy



## Original Color

44.4975, 0.3455, 0.3635

## Protanomaly

44.7665, 0.3443, 0.3648

## Deuteranomaly

44.2963, 0.3551, 0.3561

## Tritanomaly

44.4957, 0.3298, 0.3303

# Monochromacy



## Original Color

44.4975, 0.3455, 0.3635

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.6130, 0.3244, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4975, 0.3455, 0.3635 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(189, 177, 151)` looks like.

```
.text, #text, p{  
    color:rgb(189, 177, 151)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(189, 177, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 177, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4975, 0.3455, 0.3635 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 177, 151) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(189, 177, 151) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(189, 177, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 177, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 177, 151);  
box-shadow:4px 4px 4px 4px rgb(189, 177,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4975, 0.3455, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 177, 151) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(189,  
177, 151) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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